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## CENTRAL INTELLIGENCE AGENCY

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## INFORMATION REPORT

REPORT NO.

CD NO.

COUNTRY East Germany

DATE DISTR. 23 July 1952

SUBJECT Leuna Test Results of Certain Turbine Oils and Greases

NO. OF PAGES 2

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(LISTED BELOW)

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SUPPLEMENT TO  
REPORT NO.RETURN TO CIA  
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1. Examination of Various Turbine and Machine Oils in the Baader Apparatus (Long Range Tests) 1-4 25X1X

Describes results of Baader tests of Leuna Turbine Oil IIa, Luetzkendorfer turbine oil, DTE-turbine oil and Zeitz machine oil to determine their effects on copper, iron, tin, lead, red brass, brass, WM 10 and WM 80. Tests lasted three months at temperature of 95° C. Acid and saponification numbers were checked constantly with determination of ash content immediately after the tests. Results are given in summary form describing seven pages of appended graphs and tables. Report totals 11 pp, dated 9 July 1951, initialed under stamp "Material Testing Me 175 Chemical Laboratory".

2. Examination of DTE-Turbine Oils 1-4

Description of aging tests on a number of DTE-turbine oils, and comparison of individual tests. Results are presented in three pages of graphs and tables. Report totals seven pages, dated 18 December 1950, initialed under stamp "Material Testing Me 175, Physics Laboratory and Laboratory for Paints". 25X1A

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## 3. Examination of Russian Turbine Oil in the Baader Apparatus 1-2

Describes results of tests to determine changes in properties under effect of various metals and possibility for use of modification processes. Tests concern one original oil and two modifications. Results are graphed and tabulated. Report totals four pages, dated 18 December 1950, initials and stamp same as 2 above,

## 4. Examination of Various Turbine Oils 1-5

Describes results of tests on a number of Luetzkendorfer turbine oils by the Baader process to compare individual treatment processes. Test conditions were similar to those in 1 above. Results are graphed and tabulated. Report totals eight pages, dated 18 December 1950. Initials and stamp as in 2 above.

## 5. Report on a Series of Greases 1-4

Describes tests to determine physical and chemical properties of same. Tests were conducted on products coming from Miess, Brandenburg, Leipzig, Zeitz, and Verdau. Tests were based mostly on DIN specifications. Results are presented in six pages of tables and graphs. Distribution indicates that copies went to the German Democratic Republic, Ministry of Heavy Industry, Main Administration for Chemistry. Report totals 10 pages,  no signature or stamp.

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